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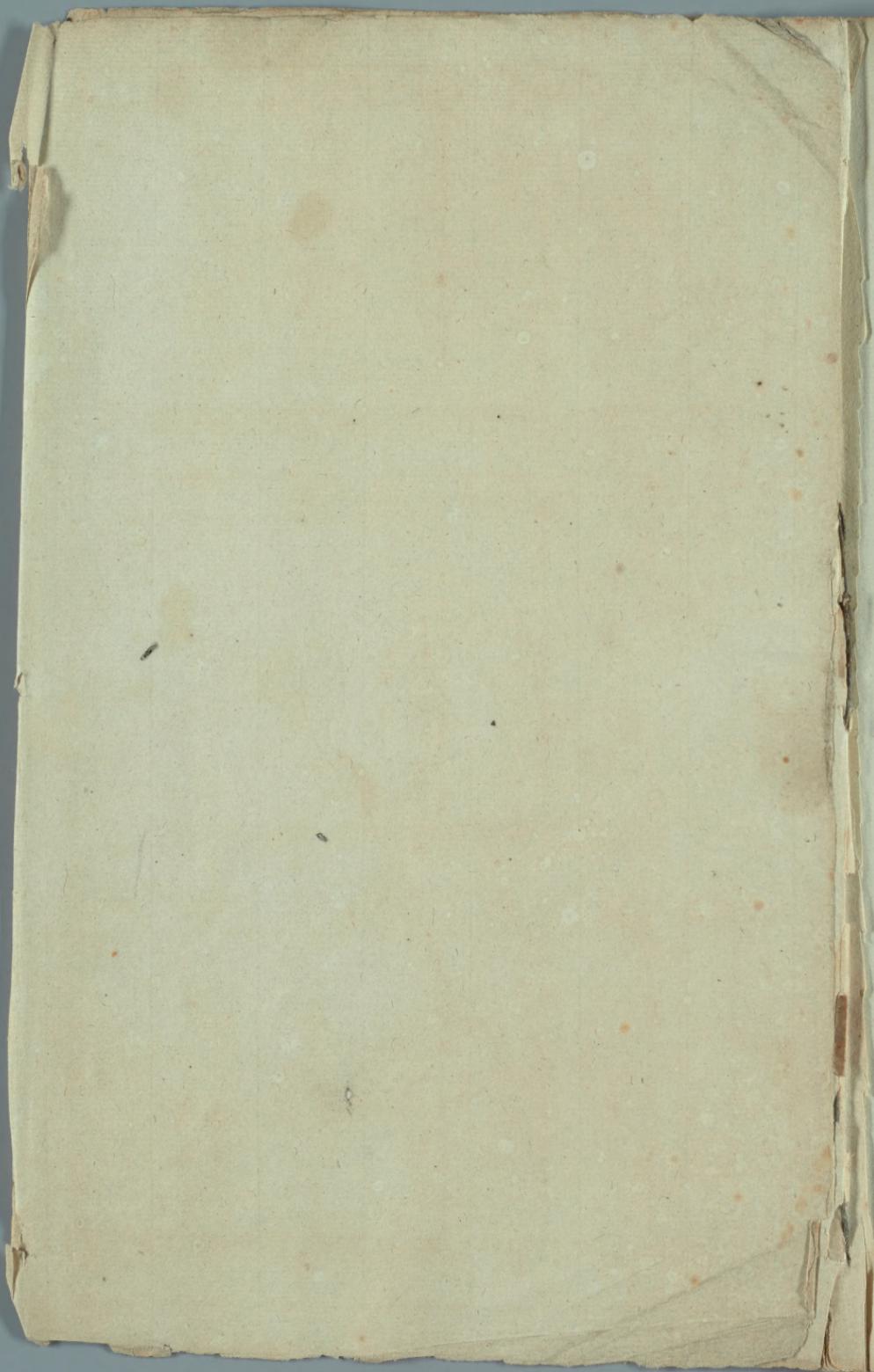
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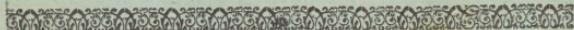
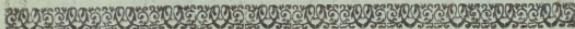
T H E

# Seaman's Journal :

B E I N G .

An easy and correct Method of keeping the  
DAILY RECKONING OF A SHIP,  
DURING THE COURSE OF HER VOYAGE.

The COLUMNS and SPACES are properly Ruled and Divided for the Entrance  
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Journal on Board the Maria and Eliza of Salem

H	K	HK	F	Courses	Winds	Transactions
2						at sun rise came on board
4						on board ship and huf the
6						top sail at 10 p. Came to sail
8						with the wind at West
10						Fresh gales and Cloudy
12						at meridian left Cap ann Russ N.W. by N.
2						Fresh breezes and Cloudy
4						
6						
8						
10						
12						

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in

Wednesday 3 November

H	K	HK	F	Courses	Winds	Transactions
2	-			SSW	W.S.W.	Fresh gales and squally
4	3	1	-	SSW	--	at 4 pm on the grass point of
6	4	1	-	--	--	Cap cod bear W.S.W. Dist 3 Leagues
8	4	1	-	--	--	at 6 pm handed the main sail and
10	4	1	-	S.E. E.	--	main top sail and huf the fore sail
12	4	1	-	West	W.N.E.	at 12 handed the fore top sail &
2	up.	SSW	S.S.W.	--	--	Fore sail and lay too under the
4	-	-	-	-	-	main stay sail
6	-	-	-	-	-	sent down the fore top gallant
8	2	1	-	SSW	West	mast at meridian set the top sails
10	2	1	-	SSW S	W.N.E.	
12	3	-	-	-	-	

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
SSW	69	68	8	41°04'	41°06'	8	10	68.45

Friday 5 November

H	K	HK	F	Courses	Winds	Transactions
2	3	1	-	SSW	West	Fresh breezes and Clear
4	3	-	-	SSW	W.N.E.	at 2 pm let the top out the
6	3	-	-	--	--	topgallant, set main sail and
8	3	1	-	SSW S	W.N.E.	fill and stay sail
10	4	-	-	SSW S	W.N.E.	Moderate
12	3	-	-	SSW	West	at 8 Am. let the top out the
2	2	1	-	--	--	top sail sent main top gallant
4	2	1	-	South	Varyably	yard up and set this sail
6	2	-	-	--	--	Calm
8	-	-	-	--	--	Moderate and pleasant
10	2	-	-	West	SSW	
12	2	-	-	-	-	

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
SSW	57	53	19	40°13'	40°11'	31	0°24'	69.09

H	K	HK	F	Courses	Winds	Transactions Saturday Nov 7 <sup>th</sup>			
2	2	-	-	West	SSW.	Moderate and Clear			
4	1	-	-	-	-				
6	1	-	-	-	-				
8	1	-	-	-	-				
10	2	-	-	WSW.	South	Hazy Datto —			
12	3	-	-	-	-				
2	2	-	-	-	-				
4	2	-	-	-	-				
6	2	-	-	-	-	Search sail in sight —			
8	-	-	-	-	Calm				
10	2	-	-	WWSW.	SE				
12	2	-	-	-	-				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in	
574 W	40	11	38	40-00	40-02	69°	69°	69°	58

H	K	HK	F	Courses	Winds	Transactions Sunday Nov 8 <sup>th</sup>			
2	3	-	-	WWSW.	SE				
4	3	-	-	-	-	Pleasant at 2pm Slight a Breeze from Brook Island at 6pm took in steering sail — Cloudy —			
6	3	-	-	-	-				
8	3	-	-	S	SE				
10	4	-	-	-	-				
12	5	-	-	-	-				
2	4	-	-	West	SSW.	at 6am took ship to the SW.			
4	3	-	-	WWSW.	SWWSW.	at 8 o'clock a hard east			
6	3	-	-	WSW.	Variable				
8	3	-	-	SWWSW.	-	Foggy			
10	4	-	-	SWWSW.	WSW.	set top mast steering sail —			
12	5	-	-	-	-				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in	
572 W	80	24	76	39-38	None	145	1-38	71-36	

H	K	HK	F	Courses	Winds	Transactions Monday Nov 9 <sup>th</sup>			
2	6	-	-	SWWSW.	WSW.	Breeze breezes and haze —			
4	6	-	-	-	-	at 2pm Slight a Breeze from			
6	5	1	-	-	-	Nathaniel Goodwin Master from			
8	5	1	-	-	-	Boston bound to Virginia			
10	5	1	-	SWWSW.	-				
12	5	-	-	-	East				
2	4	1	-	-	SE	set the Star Steaming sail —			
4	3	1	-	-	-				
6	3	-	-	-	SE	Cloudy —			
8	3	-	-	-	-				
10	2	-	-	-	-				
12	1	1	-	-	-				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in	
542 W	102	76	68	None					

H	K	HK	F	Courses	Winds	Transactions	Tuesday Novem <sup>r</sup> 16 <sup>th</sup>		
Course	Dift.	Diff.	Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2						Cabin and hazy look in steering sail at 10 took on top gallant sail which wear then at 1100 took the fore topsail in the top sail			
4									
6									
8									
10	2	1	.	S E	Varabell				
12	3	1	.	W NW	SW N S	At 7 Am sounded in 15 fathoms water			
2	4	1	.	West	SE W	Warship to the Eastward			
4	5					at 11 took on the			
6	5					Land bearing NW S Dist 4 Leagues			
8	4					at 1300 saw Cape Horn Bear. Bearing			
10	3			SE		1825 W 4 Leagues Dist 4 Leagues			
12	7			West		Dist 2 Leagues Dist 2 Leagues			
						sail in sight			
							38-42		

H	K	HK	F	Courses	Winds	Transactions	Wednesday Novem <sup>r</sup> 17 <sup>th</sup>		
Course	Dift.	Diff.	Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2	4			South	W SW	Moderate and hazy at 2 pm. Cap.			
4	3	1	.	SS E	SW	Stn open light house bear N E N W			
6	3			SE E	SW N W	Dist 8 Leagues at 8 pm sounded in			
8	3					15 fathoms water			
10	3	1	.	SE S W	W S S				
12	4			SS W	West				
2	4				W E W	at 12 sounded in 15 fathoms water			
4	4	1	.		W W	at 2 sounded in 17 Dots. Dots			
6	5			SW W S		at 4 sounded in 20 Dots. Dots			
8	5			SW	North				
10	4				W E C	Pearl weather			
12	3	1			W S C				
							37-24		

H	K	HK	F	Courses	Winds	Transactions	Thursday 18 Novem <sup>r</sup>		
Course	Dift.	Diff.	Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2	3			SW	W C	Moderate and pleasant			
4	2					at 2 pm saw the land bearing			
6	1	1	.	SS W	SW E	W B N Dist 4 Leagues at 6 pm			
8	3			SE W	East	took in steering sail at 11 pm			
10	3					spoke a port boat belonging			
12	2			South		to H Mary's thick and hazy			
2	1			SW		at 9 Am saw Cape Henry bearing			
4	1			SW N W		N W Dist 3 Leagues seawards			
6	2			WS W		of sail in 5th			
8	3			Varabell					
10	2			SW					
12	3			N W	N C				
							36-51		

H	K	HK	F	Courses	Winds	Transactions		
Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
2	3	--	W.W.W.	S.C. --	Moderate and hazy at 2pm took a position at 4pm past Henry 43d 8 3 miles Dist set the steering south			
4	3	--		S.S.E. --				
6	2	--						
8	3	--	From N.W. & turn E.					
10								
12					Light airs			
2								
4								
6								
8								
10								
12								
				South				
						38-4		

H	K	F	Courses	Winds	Transactions
2					Wednesday Jan 20
4					A today light came to visit at
6					Batista creek with the wind
8					at N.W. 21° at the mouth of
10					the river —
12					
2					
4					at Herkimer New point —
6					Compton bear West —
8					Ends of Pleasant —
10					
12					

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
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H	K	H	K	F	Courses	Winds	Transactions
2						W.W.	Thursday January 21
4							Pleasant breeze S.E. of Elbow
6							at 3 the party left us
8	5	1	—	—	East —		at 4 abreast of Cape Henry
10	6	1					at 6 Cape Henry bear West
12	7					N.W.	3 Leagues east Groenwich
2	6						St. Albans departure
4	7	—	—	—	E.S.E.		In this boat 37. On longitude
6	6	1					75. 16 West —
8	6	1					
10	8	1					
12	6	1					

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
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73°	119	34	113	36-26	36-26	113	2-20	72-56
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H	K	H	K	F	Courses	Winds	Transactions
2	6	—	—	—	East —	W.W.	Friday January 22
4	5						Fresh gales with flying clouds
6	5						
8	4						
10	3						
12	3	—	—	—	—	W.W.	at Moonlight —
2	3						
4	3						
6	3	—	—	—	—	W.W.	Ends of Pleasant —
8	3						
10	3	1					
12	4						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
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87°	90	0-4	89	36-30	36-29	26-2	1-30	71-06
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H	K	HK	F	Courses	Winds	Transactions Saturday 23 January
2	4			East	West -	Pleasant weather with a slight breeze —
4	4				W SW	
6	3					
8	4					
10	3					
12	3	-	-	-	West -	Mostly calm and cloudy —
2	2					
4	2					
6	1					
8	3	-				
10	3			East E	Variable	at 11 spoke a Brigantine from St. Martin's bound for New London
12	4				SW E	Ends cloudy —

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
WS 48°	70	0-7	70	36-36	Nom	272	1-27	69-39

H	K	HK	F	Courses	Winds	Transactions Sunday 24 January
2	4	-	-	East -	South -	
4	3	-		ESE	W SW	Fresh breeze at 12 spoke a schooner
6	3	-		East -	West -	from Boston bound to Narragansett
8	2					
10	1	1				
12	1	-	-	-	Variable	Lightning with lightning
2	1	1			SE -	
4	2	-		NE -	SE -	
6	4	-		ESE -	SW -	Fresh gale at 10 spoke a schooner
8	5	-		East -	SW -	Spoke the Curlew and quarters boards —
10	6	-		NE -		
12	6	-				

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
75 48	80	0-21	77	36-37	Nom	349	1-36	68-3

H	K	HK	F	Courses	Winds	Transactions Monday 25 January
2	6	--	--	ESE	SW -	Hard gale and squalls with rain —
4	6	--	--	ESE	W SW	
6	4	-	-	ESE	SW -	Mostly calm with lightning
8	3	-	-	NE ESE	SW -	
10	6	-	-	NE ESE	SW -	
12	6	-	-	ESE		Hard gale and little weather
2	6	-	-	ESE		
4	8	-	-			
6	3	-	-			
8	3	-	-			
10	3	-	-	NE ESE	SW -	Ends moderate with rain
12	4	-	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
73 48	116	0-34	111	37-31	Nom	460	2-19	65-34

1790

H	I	K	HK	F	Courses	Winds	Transactions Tuesday 26 January
2	9.	-	-	-	Ob. N.	Scorably	Moderately with a large humbling
4	2	-	-	-	-	W. & W.	sea
6	3	-	-	-	-	-	-
8	6	-	-	-	-	West	-
10	4	-	-	-	East	N.W.	Fresh gales with squalls rain
12	5	-	-	-	-	W.W.	-
2	6	-	-	-	E. & S.	W.W.	Cross moderate
4	5	-	-	-	-	-	-
6	5	-	-	-	-	-	-
8	4	-	-	-	-	-	-
10	3	-	-	-	S. Ob. E.	-	-
12	3	-	-	-	-	-	-

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
1882	86	0.12	85	37-43	37-44	545	1-48	63-56

H	I	K	HK	F	Courses	Winds	Transactions Wednesday 27 Jan.
2	4	-	-	-	East	N.W.	Fresh gales and clear
4	4	1	-	-	-	-	-
6	4	1	-	-	-	-	-
8	4	-	-	-	-	-	-
10	2	1	-	-	S. Ob. E.	N.W.	Lighthouses
12	2	-	-	-	-	W.	-
2	2	-	-	-	-	-	-
4	2	-	-	-	-	-	-
6	1	-	-	-	S.E.	Scorably	gales & a hoop turning to the South
8	1	-	-	-	-	-	a 10 tack ship
10	1	1	-	-	-	-	Cross moderate
12	2	-	-	-	W.E.	-	-

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
1883	60	27	54	38-01	38-04	322	1-08	62-48

H	I	K	HK	F	Courses	Winds	Transactions Thursday 28 Jan.
2	2	-	-	-	W. Ob. E.	S. Ob. E.	Fresh drags and pleasant
4	2	1	-	-	-	-	-
6	2	1	-	-	-	-	-
8	3	-	-	-	-	-	-
10	3	1	-	-	Ob. N.	S. Ob. S.	Fresh gales and squally -
12	3	1	-	-	Ob. N.	S. Ob. S.	with rain
2	4	-	-	-	East	S. Ob. E.	-
4	3	-	-	-	Ob. E.	-	-
6	4	-	-	-	Ob. E.	-	-
8	4	-	-	-	Ob. E.	-	-
10	6	-	-	-	Ob. E.	-	-
12	8	-	-	-	Ob. E.	-	-

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
1883	92	35	85	38-39	corse	684	1-48	61-08

H	K	HK	F	Courses	Winds	Transactions Friday 29 January				
2	3	-	-	W.C. S.	S.S.E.					
4	4	1	-	C. S. W.						
6	4	-	-	C. S. E.						
8	4	-	-							
10	4	1	-	C. S. W.	S.S.W.					
12	4	1	-							
2	4	-	-							
4	4	-	-							
6	3	1	-	C. S. S.	West					
8	2	-	-							
10	3	-	-							
12	4	-	-							

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
1840	89	30	84	39-09	None	768	1-17	39-13

H	K	HK	F	Courses	Winds	Transactions Saturday 30 January				
2	4	-	-	E.B. S.	W.W.					
4	4	-	-							
6	4	-	-							
8	4	-	-							
10	3	1	-							
12	2	-	-							
2	2	-	-							
4	2	1	-		North					
6	4	-	-							
8	5	-	-							
10	5	-	-	C. S. C.	W.C.-					
12	4	1	-							

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
184	89	5	89	39-04	39-04	857	1-54	37-22

H	K	HK	F	Courses	Winds	Transactions Sunday 31 January				
2	4	1	-	E.B. S.	W.C. W.					
4	4	-	-							
6	5	-	-							
8	5	-	-							
10	5	-	-							
12	5	-	-							
2	5	-	-	East	W.B. E.					
4	5	-	-							
6	3	1	-	E.B. S.						
8	3	-	-							
10	1	1	-							
12	1	-	-							

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
182	92	13	91	39-17	39-18	948	1-57	35-22

1790

H	K	HK	F	Courses	Winds	Transactions Monday 1st February				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
23	-		ESE	SW						
44	1									
66				W. SW						
83				SW						
105	1									
126										
25										
45										
64	1			W. SW						
84				SW						
104										
125										

H	K	HK	F	Courses	Winds	Transactions Tuesday 2nd February				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
26	-		ESE	SW						
46	1									
66	1									
86	1									
106										
125	1									
25										
43										
64	-	-	-	North						
82	1									
102				Variable						
121	1			W. SW						

H	K	HK	F	Courses	Winds	Transactions Wednesday 3rd February				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
23	-		ESE	SW						
45	1									
67	-	-	East							
86	1	-	ESE							
107										
127										
27	1									
46	1									
67										
87	1		East							
106	-	-								
126										

H	K	HK	F	Courses	Winds	Transactions Thursday 4th February				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
228	111	20	110	39-32	Nov	1302	3-01	117-51		

H	K	HK	F	Courses	Winds	Transactions Thursday 4 February			
2	5	-	-	East -	W SSW	<i>Fresh gales and squally with rain</i>	<i>(34)</i>	<i>Ends with Flying</i>	<i>Clouds</i>
4	3	-	-	East	W WSW				
6	5	-	-	East	W WSW				
8	5	-	-	East P	N W -				
10	4	1	-		W N W				
12	4		-						
2	4		-						
4	5		-						
6	4		-						
8	4	1	-						
10	4	1	-						
12	5		-						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
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1884	104	-11	103	39-63	39-71	1405	2-11	45-37
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H	K	HK	F	Courses	Winds	Transactions Friday 5 February			
2	8	1	-	East -	West -	<i>Fresh gales with rain</i>	<i>(34)</i>	<i>Ends with Flying</i>	<i>Clouds</i>
4	6	1	-						
6	6	1	-						
8	7		-						
10	5	1	-						
12	4	1	-						
2	4		-						
4	3		-	East P	N W W				
6	1	1	-	East P	North				
8	2		-						
10	5		-						
12	5		-						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
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1882	108	-15	107	39-56	39-61	1512	2-18	43-17
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H	K	HK	F	Courses	Winds	Transactions Saturday 6 February			
2	4	-	-	East S	N E SW	<i>Fresh gales with rain</i>	<i>(34)</i>	<i>Moderate and pleasant</i>	<i>Clouds</i>
4	4	-	-	East E	NE -				
6	3	1	-	East E	NE -				
8	3	-	-	East E	NE NW				
10	4	-	-	East	NE E				
12	4		-						
2	3		-						
4	3		-						
6	2	1	-						
8	1		-						
10	3		-						
12	4		-						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
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1885	76	-7	76	40-02	40-03	1589	1-39	41-40
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H	K	HK	F	Courses	Winds	Transactions	Monday 7 Febry
2	5	1	-	East	SW		Frost, drizzle and thick
4	6	1			SSW		
6	6	1					
8	6	1					
10	6						
12	6	-	-	West	--		Dark weather
2	6						
4	5						
6	4	-		ESE			
8	5						
10	5	1	-	ESE	WSW		Cloudy
12	5	1					

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon.
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1881	119	-18	118	40-21	40-18	1706	2-34	39-06
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H	K	HK	F	Courses	Winds	Transactions	Monday 8 Febry
2	6	-		ESE	SW		Frost, drizzle
4	6						
6	7						
8	6	1					
10	7						
12	7						
2	6			West			Dark and squally
4	6				NW		
6	6						
8	6						
10	6						
12	6				WNW		Clouds and drizzle

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon.
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1884	145	-15	145	40-32	40-32	185.	3-11	35-55
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H	K	HK	F	Courses	Winds	Transactions	Tuesday 9 Febry
2	6	-	-	ESE	WNW		Clouds and drizzle
4	6						
6	6						
8	5	1					
10	5	1					
12	5	1					
2	6						
4	6	1					
6	3						
8	4	1					
10	4	-		East			
12	4	-					

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon.
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1884	118	-12	119	40-34	40-33	1968	2-35	33-20
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H	K	HK	F	Courses	Winds	Transactions Wednesday 11 February				
2	4	-	-	East	W N W					
4	5									
6	4	1								
8	4				West					
10	4	1			W S S					
12	5									
2	5									
4	5									
6	8									
8	4	1			West					
10	3	1								
12	3									

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
1179	100	-14	98	41-03	41-04	2066	2-10	31-10

H	K	HK	F	Courses	Winds	Transactions Thursday 12 February				
2	3	-	-	East	West					
4	3									
6	2	1								
8	2	1								
10	2									
12	2									
2	2									
4	2	1								
6	2									
8	2				W SW					
10	2	1								
12	2	1								

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
1179	57	-11	56	41-15	41-16	2122	1-14	29-56

H	K	HK	F	Courses	Winds	Transactions Friday 13 February				
2	2	1	-	East	S W					
4	3				South					
6	3									
8	2	1			West					
10	2	1			W SW					
12	3									
2	3									
4	3									
6	2	1								
8	2	1			SW					
10	3	1								
12	4									

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
1173	73	-21	69	41-37	41-37	2191	1-33	28-23

H	K	HK	F	Courses	Winds	Transactions Saturday 13 Feb 77
2	5	1	-	E by S -	SSW -	Moderate with clear and pleasant weather
4	5	1	-			
6	6					
8	6			East -	South -	
10	6					
12	6					
2	6				W by W -	Fresh breezes and very light
4	5				SSW	
6	6					
8	6					
10	6	1				End clear and pleasant
12	7					

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
1874	143	- 39	137	42-16	42-16	2128	3-5	25-18

H	K	HK	F	Courses	Winds	Transactions Sunday the 14th Feb
2	7	-		E by S	SSW -	Fresh breezes and pleasant
4	7					
6	7					
8	7					
10	6	1				
12	6				SW -	Fresh breezes and varying
2	6					
4	6					
6	6					
8	6	1				
10	7					End varying
12	7	1				

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
1882	159	- 22	158	42-38	42-38	2286	3-35	25-13

H	K	HK	F	Courses	Winds	Transactions Monday 15 Feb 77
2	7	-		East -	SW -	Fresh breezes and cloudy
4	7	1	-	E by S -		
6	8					
8	7	1				
10	7	1				
12	8					Fresh breezes with squalls of rain
2	7	1		East -		
4	7	1		E by S		
6	8					
8	8					
10	7	1				
12	7	1			WSW	Thund. sounds

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
1879	183	- 35	180	43-13	None	2466	4-6	27-37

H	K	HK	F	Courses	Winds	Transactions	Thursday 16 Feb 17
2	4	-		ESE.	West		
4	3	1				Moderate with a large swell	(36)
6	3				W or W	From the westward	
8	3						
10	3						
12	3					Slight haze and rain	
2	3	1	-		North		
4	5				NE & E		
6	5	1	-				
8	6						
10	6						
12	6						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
W 82	103	- 14	102	43-27	43-28	25.68	2.19	15-18

H	K	HK	F	Courses	Winds	Transactions	Wednesday 17 Feb 17
2	4	1	-	ESE.	W. & S.		
4	5			SE	W. E.	Fresh breeze and pleasant	
6	4	1	-	SE	W. E.		
8	3			SC	SW & E		
10	3						
12	2	1					
2	1	1					
4	1	1	-	NE	Variable		
6	1	1					
8	1	1	-	EW S.	SW		
10	-	-					
12	2	1	-	EW P.	East	Pleasant weather	

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
W 83	56	- 5	56	43-23	43-24	26.24	1.16	13-52

H	K	HK	F	Courses	Winds	Transactions	Thursday 18 Feb 17
2	3	1	-	ESE.	SE & S.	Pleasant weather	
4	4						
6	4						
8	4	1					
10	4	1	-	East	SE		
12	4	1	-	EW S.	SE		
2	4						
4	4						
6	3	1					
8	3	1	-	SE	South		
10	4	-	-	SE	SE		
12	4	1	-	SE	SE		

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
W 88	44	- 35	87	43-59	44-00	27.11	2.01	11-51

H	K	HK	F	Courses	Winds	Transactions	Friday 19 Feb 17		
2	3	-	-	ESE	SW	Moderate with pleasant			
4	3	-	-			Weather -			
6	4	-	-						
8	4	1	-						
10	5	-	-						
12	4	1	-	ESE	South	Flying clouds -			
2	4	-	-						
4	4	-	-						
6	4	-	-						
8	3	1	-	East	SSW	End of pleasant -			
10	4	-	-	ESE	SW				
12	4	1	-						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. ir.
1487	96	-5	96	44-5	44-3	2807	2-14	9-34

H	K	HK	F	Courses	Winds	Transactions	Saturday 20 Feb 17		
2	6	-	-	ESE	SW	Fresh breezes and pleasant			
4	6	-	-	ESE					
6	5	-	-	SE					
8	5	-	-						
10	5	-	-			squally -			
12	5	-	-						
2	5	-	-	ESE					
4	4	1	-			rainy -			
6	4	1	-						
8	3	-	-			End of pleasant -			
10	2	-	-						
12	2	-	-						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. ir.
987	105	-5	105	44-08	44-08	2912	2-26	9-12

H	K	HK	F	Courses	Winds	Transactions	Sunday 21 Feb 17		
2	2	-	-	SE	SW	Light airs with Flying clouds			
4	3	-	-						
6	4	-	-						
8	5	-	-						
10	5	-	-			saw the land bearing South			
12	5	-	-			& S. E. winds -			
2	4	-	-	SE					
4	4	1	-						
6	6	-	-						
8	4	1	-						
10	4	1	-						
12	4	-	-						

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. ir.
983	100	-29	96	43-29	None	3008	2-12	5-08

H	K	HK	F	Courses	Winds	Transactions	Monday 22 Febry	(31)	
Course	Dift.	Diff. Lat.		Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
2 3	—			ESE	West	Moderate with thick weather			
4 ~					Calm	Rainy			
6 3	1	—		CS E	SE				
8 3	—			East	SE				
10 3	—			CB S	SE				
12 2	1	—		ES E	South	Sandy			
2 1	1	—							
4 2	—								
6 3	—								
8 3	1	—		SE B S	SW	at Herdman saw Cape Prince			
10 4	—					Baring West N W Leagues Due			
12 5	—			SS E					

H	K	HK	F	Courses	Winds	Transactions	Tuesday 23 Febry		
Course	Dift.	Diff. Lat.		Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
2 1	1	—		SE B S	SW	Moderate and hasty			
4 3	1	—		SE	Variable	Speak a Spanish galleon			
6 1	1	—			Calm	Thick and rainy			
8 —					SW				
10 3	—								
12 2	—								
2 2	—			SE B E	SE W	Slight haze and rainy			
4 2	—								
6 1	1	—		East		Ends Sandy			
8 1	1	—		SE B E					
10 2	—								
12 3	—								

H	K	HK	F	Courses	Winds	Transactions	Wednesday 24 Feb		
Course	Dift.	Diff. Lat.		Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
2 2	1	—		CS E	SW	Moderate and hasty			
4 3	—				West	at St Andrews after S. SW N. due			
6 1	1	—				Dist.			
8 5	—								
10 5	1	—		EP S	WB	Speak a Brig from Plymouth			
12 5	—					bound to Dover			
2 3	1	—		CS E	WB				
4 3	—								
6 3	—			SE B C		at 18 <sup>00</sup> Cape de Machia barring			
8 4	—			SS E	WB	S. SW N. Leagues			
10 3	—			SE	WB	Look a point for St Bastardus			
12 3	—				WB				



A Journal from the Ballast to the Westward 1790

H	K	HK	F	Courses	Winds	Transactions	Sunday 28th March	
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2					SE	Received ballast in the boat and got in my ballast and ballast		
4								
6								
8								
10								
12								
2								
4								
6								
8								
10								
12								

H	K	HK	F	Courses	Winds	Transactions	Monday 29th March	
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2								
4								
6								
8								
10								
12								
2								
4								
6								
8								
10								
12								

H	K	HK	F	Courses	Winds	Transactions	Tuesday 30th March	
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2	3	-			East	Received		
4	3	1			SE			
6	4	-						
8	4	1						
10	4	-						
12	3	1						
2	3	-						
4	3	1						
6	4	-						
8	4	1						
10	4	-						
12	3	1						
2	3	-						
4	3	1						
6	4	-						
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10	4	-						
12	3	1						
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4	3	1						
6	4	-						
8	4	1						
10	4	-				</td		

H	K	HK	F	Courses	Winds	Transactions	Wednesday 31st March	
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2	1			W. N. E.	S. E. W.		Received a S. E. wind	
4	1				SE		at 1 Cap. Orligat S. E. W. E.	
6	1				SW		8 Long. 50° S. —	
8	1				SW			
10	1				SW			
12	3				SW			
2	2				SW			
4	—				SW			
6	3				SW			
8	3				SW			
10	3				SW			
12	1				SW			

H	K	HK	F	Courses	Winds	Transactions	Thursday 1st April	
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2	1			W. N. E.	SW		Wind became more variable	
4	3				SW		Cloudy	
6	3				SW		Sea 1430 fms. W. Long. 144°	
8	1				SW		from 1430 fms. N. of Lorient	
10	1				SW			
12	1				SW			
2	1				SW			
4	1				SW			
6	1				SW			
8	7				SW			
10	1				SW			
12	1				SW			

H	K	HK	F	Courses	Winds	Transactions	Friday 2nd April	
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
2	1	—		W. N. E.	North		Wind became more variable	
4	1	—		West	NE			
6	—							
8	1							
10	6							
12	6							
2	6				SW		Cloudy	
4	6				SW			
6	5			W. S. W.	SW			
8	4				SW			
10	3				SW			
12	2				SW			

H	K	HK	F	Courses	Winds	Transactions Saturday 3 <sup>rd</sup> April				
2	3	-		S-W.	W.W.					
4	9	1								
6	2	1								
8	2	1								
10	-	-								
12	2	-								
2	3	1								
4	3	1								
6	3	-								
8	2	-								
10	2	-								
12	1	1								

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
158	3h	20'	18	42.31	42.17	307	6.38	16.46

H	K	HK	F	Courses	Winds	Transactions Sunday 4 <sup>th</sup> April				
2	1	-		N-N.E.	W.S.E.					
4	2	-								
6	3	-		S-W.	W.N.E.					
8	3	1								
10	4	-								
12	3	-								
2	2	-								
4	4	-								
6	3	-								
8	4	-								
10	4	-								
12	3	-								

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
1885	68	6	18	42.23	42.21	375	1.31	16.23

H	K	HK	F	Courses	Winds	Transactions Monday 5 <sup>th</sup> April				
2	3	1		W.W.	South					
4	5	-			S.W.					
6	6	-								
8	7	1		S.W.	W.S.E.					
10	1	1		W.W.	W.S.E.					
12	4	-								
2	3	1								
4	4	-								
6	1	-								
8	3	-			S.E.					
10	2	-								
12										

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
1871	81	27	19	42.59	42.50	151	1.48	18.11

H	K	HK	F	Courses	Winds	Transactions
2				W. N.	Southerly	Caught and brought ~
4	3			W. N. E.	W. N. W.	Engaged with seal
6	2			W. S. E.		
8	1			W. S. S. E.		
10						
12	3					
2	2			W. S. S. E.	W. N. W.	Caught and brought
4	3			W. S. S. E.	W. N. W.	
6	2			W. S. S. E.	W. N. W.	
8	1			W. S. S. E.	W. N. W.	
10	3			W. S. S. E.	W. N. W.	
12	1			W. S. S. E.	W. N. W.	

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
Sept	120	-46	310	42.04	42.04	361	2.30	10.11

H	K	HK	F	Courses	Winds	Transactions
2	6			W. N.	W. N. W.	
4	5			W. N. E.	W. N. W.	
6	4			W. S. E.	W. N. W.	
8	3			W. S. S. E.	W. N. W.	
10	2			W. S. S. E.	W. N. W.	
12	1			W. S. S. E.	W. N. W.	
2	3			W. S. S. E.	W. N. W.	
4	3			W. S. S. E.	W. N. W.	
6	2			W. S. S. E.	W. N. W.	
8	1			W. S. S. E.	W. N. W.	
10	3			W. S. S. E.	W. N. W.	
12	1			W. S. S. E.	W. N. W.	

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
152	63	-39	50	31.15	31.15	614	1.1	21.48

H	K	HK	F	Courses	Winds	Transactions
2	5			W. N.	W. N. W.	
4	6			W. N. E.	W. N. W.	
6	5			W. S. E.	W. N. W.	
8	4			W. S. S. E.	W. N. W.	
10	3			W. S. S. E.	W. N. W.	
12	2			W. S. S. E.	W. N. W.	
2	4					
4	6					
6	8					
8	10					
10	12					
12	1					

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
152	37	-31	90	41.56	41.56	134	-27	22.15

H	K	HK	F	Courses	Winds	Transactions	Friday 9 Sept 1703
2	-	-	-	-	-	-	
4	-	-	-	-	-	-	
6	3	-	-	-	-	-	
8	3	-	-	-	-	-	
10	5	-	-	-	-	-	
12	5	-	-	-	-	-	
2	5	-	-	-	-	-	
4	3	-	-	-	-	-	
6	5	-	-	W.N.W.	W.W.W.	-	
8	3	-	-	-	-	-	
10	6	-	-	S.E.2.	-	-	
12	6	-	-	-	-	-	

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
134	11	1.32	62	30-22	30-21	196	1.32	23-07

H	K	HK	F	Courses	Winds	Transactions	Saturday 10 Sept 1703
2	-	-	-	W.N.W.	W.W.W.	-	
4	-	-	-	-	-	-	
6	-	-	-	-	-	-	
8	-	-	-	W.N.W.	-	-	
10	-	-	-	-	-	-	
12	-	-	-	-	-	-	
2	-	-	-	-	-	-	
4	-	-	-	-	-	-	
6	-	-	-	-	-	-	
8	4	-	-	N.W.2.	W.W.W.	-	
10	5	-	-	W.S.W.2	W.W.W.	-	
12	6	-	-	-	-	-	

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
139	108	1.4	62	39-18	39-17	718	0-28	24-06

H	K	HK	F	Courses	Winds	Trantactions	Sunday 11 Sept 1703
2	6	-	-	W.S.W.	W.W.W.	-	
4	6	-	-	-	-	-	
6	5	-	-	-	-	-	
8	5	-	-	-	-	-	
10	5	-	-	-	-	-	
12	5	-	-	-	-	-	
2	2	-	-	W.S.W.	-	-	
4	2	-	-	-	-	-	
6	6	-	-	W.S.W.2	W.W.W.	-	
8	8	-	-	N.W.2.	-	-	
10	8	-	-	-	-	-	
12	7	-	-	W.S.W.2	W.W.W.3.3.	-	

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
145	130	1.32	72	37-18	37-47	810	1-56	25-04

H	K	HK	F	Courses	Winds	Transactions Monday 12 April
2	7	-	-	WB S.	W. W. W.	Breeze and pleasant -
4	7	-	-			at sunset saw the Island of St. Maria bearing West N. W. by E. -
6	6	-	-			
8	6	-	-			
10	5	-	-			
12	4	-	-			
2	4	-	-	WB S.	North	at day light about east of the Island
4	4	-	-			
6	4	-	-			
8	3	-	-			
10	3	-	-			
12	2	-	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
						36.47		

H	K	HK	F	Courses	Winds	Transactions Tuesday 13 April
2	7	-	-	WB S.	Calm	Calm and pleasant -
4	7	-	-			
6	1	-	-	WB S.	South	at 10 m. S. Maria bore N. E.
8	1	-	-			
10	5	-	-			
12	6	-	-			
2	6	-	-	WB S.	WB S.	Lei Long, Prow with Star & one departure bearing in the Lat. 36° 56' Long. 145.06
4	5	-	-			
6	5	-	-			
8	6	-	-			
10	6	-	-			
12	4	-	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
13.71	98	-32	93	37.99	37.99	72	145.6	145.48

H	K	HK	F	Courses	Winds	Transactions Wednesday 14 April
2	6	-	-	WB S.	WB S.	WB S. -
4	6	-	-			
6	5	-	-	WB S.	WB S.	at day light saw the Island of Rio Brongas with long
8	5	-	-			
10	5	-	-			
12	6	-	-	WB S.	Variable	at 8 m. off Island of Rio Brongas
2	3	-	-	WB S.	WB S.	over E. by N. 10 m. -
4	6	-	-			
6	5	-	-			
8	6	-	-			
10	3	-	-			
12	2	-	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
14.36	121	-1.8	100	38.29	38.29	193	2.06	29.06

H	K	HK	F	Courses	Winds	Transactions Thursday 15 April				
2	3	12	-	SW by E	SW by E	Fresh breeze and hazy				
4	6	-	-	-	-	Cloudy and hazy				
6	7	-	-	-	-	Cloudy and hazy				
8	6	-	-	-	-	Cloudy and hazy				
10	7	-	-	-	-	Cloudy and hazy				
12	6	-	-	-	-	Cloudy and hazy				
2	7	-	-	-	-	Cloudy and hazy				
4	6	-	-	-	-	Cloudy and hazy				
6	7	-	-	-	-	Cloudy and hazy				
8	6	-	-	-	-	Cloudy and hazy				
10	7	-	-	-	-	Cloudy and hazy				
12	6	-	-	-	-	Cloudy and hazy				

Course	Dif.	Dif. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lat. made	Lon. in
1868	150	-56	137	37-23	None	352	2-31	32-23

H	K	HK	F	Courses	Winds	Transactions Friday 16 April				
2	3	12	-	SW by E	SW by E	Fresh breeze and hazy				
4	6	1	-	SW by E	-	Fresh breeze and hazy				
6	7	1	-	SW by E	-	Fresh breeze and hazy				
8	E	-	-	SW by E	-	Fresh breeze and hazy				
10	7	-	-	SW by E	-	Fresh breeze and hazy				
12	6	-	-	SW by E	-	Fresh breeze and hazy				
2	7	-	-	SW by E	-	Fresh breeze and hazy				
4	6	1	-	SW by E	-	Fresh breeze and hazy				
6	7	1	-	SW by E	-	Fresh breeze and hazy				
8	E	-	-	SW by E	-	Fresh breeze and hazy				
10	7	-	-	SW by E	-	Fresh breeze and hazy				
12	6	-	-	SW by E	-	Fresh breeze and hazy				

Course	Dif.	Dif. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lat. made	Lon. in
1862	149	1-10	132	40-35	40-32	361	2-32	35-17

H	K	HK	F	Courses	Winds	Transactions Saturday 17 April				
2	3	-	-	N W	N W	Fresh gale and hazy				
4	5	-	-	N W by N	N W by N	Fresh gale and hazy				
6	5	-	-	N W by N	-	Fresh gale and hazy				
8	5	-	-	N W by N	-	Fresh gale and hazy				
10	5	-	-	N W by N	-	Fresh gale and hazy				
12	5	-	-	N W by N	-	Fresh gale and hazy				
2	3	-	-	N W by N	N W by S	Fresh gale and hazy				
4	4	-	-	N W	N W	Fresh gale and hazy				
6	5	-	-	N W	N W	Fresh gale and hazy				
8	4	-	-	N W	N W	Fresh gale and hazy				
10	3	-	-	N W	N W	Fresh gale and hazy				
12	1	-	-	N W	N W	Fresh gale and hazy				

Course	Dif.	Dif. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Diff.	Lat. made	Lon. in
1863	90	1-4	64	41-36	41-34	328	1-24	36-41

H	K	HK	F	Courses	Winds	Transactions Sunday 18 April				
2	1	-	-	W N W.	W N E.	bright sun with pleasant weather -				
4	2	1	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
6	3	1	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
8	6	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
10	7	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
12	8	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
2	9	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
4	10	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
6	11	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
8	12	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
10	13	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
12	14	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
1881	134	-21	132	41-55	41-55	860	2-30	39-31		

H	K	HK	F	Courses	Winds	Transactions Monday 19 April				
2	1	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
4	6	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
6	6	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
8	6	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
10	1	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
12	1	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
2	5	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
4	5	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
6	2	1	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
8	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
10	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
12	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
1881	130	-	132	41-56	41-56	490	2-35	39-31		

H	K	HK	F	Courses	Winds	Transactions Tuesday 20 April				
2	5	1	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
4	5	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
6	2	1	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
8	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
10	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
12	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
2	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
4	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
6	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
8	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
10	-	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
12	3	-	-	W N W.	S E. S. E.	bright sun with pleasant weather -				
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in		
1881	50	-50	6	41-06	41-05	784	2-5	39-48		

H	K	HK	F	Courses	Winds	Transactions Wednesday 25th April			
2	3	-	-	W. N. E.	W. N. E.				
4	3	-	-	N. E. S.	W. N. E.				
6	3	-	-	W. N. E.	-				
8	4	-	-	W. N. E.	-				
10	4	-	-						
12	3	-	-						
2	3	-	-	W. N. E.	W. N. E.				
4	3	-	-						
6	3	-	-						
8	6	-	-						
10	7	-	-						
12	7	-	-						

Course	Dift.	Dift. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
S 66 W	94	-38-	86	40-17	40-28	87	1-51	44-10

H	K	HK	F	Courses	Winds	Transactions Thursday 26th April			
2	7	-	-	W. N. E.	W. N. E.				
4	7	-	-						
6	7	-	-	W. N. E.	W. N. E.				
8	7	-	-	W. N. E.	-				
10	7	-	-	W. N. E.	-				
12	3	-	-	W. N. E.	-				
2	7	-	-						
4	6	-	-						
6	6	-	-	W. N. E.	W. N. E.				
8	5	-	-	W. N. E.	W. N. E.				
10	3	-	-	W. N. E.	W. N. E.				
12	3	-	-	W. N. E.	W. N. E.				

Course	Dift.	Dift. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
S 82	150	-20	138	30-08	30-01	1018	3-00-	44-10

H	K	HK	F	Courses	Winds	Transactions Friday 27th April			
2	9	-	-	W. N. E.	W. N. E.				
4	9	-	-						
6	3	-	-	W. N. E.	W. N. E.				
8	5	-	-	W. N. E.	W. N. E.				
10	5	-	-	W. N. E.	W. N. E.				
12	7	-	-						
2	1	-	-						
4	1	-	-						
6	1	-	-						
8	0	-	-	W. N. E.	W. N. E.				
10	2	-	-	W. N. E.	W. N. E.				
12	2	-	-	W. N. E.	W. N. E.				

Course	Dift.	Dift. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
W 79	138	-25	138	30-31	30-31	1136	3-51	44-07

H	K	H.K	F	Courses	Winds	Transactions
2				SWW	SE	Steady wind SW
4				SWW	SE	Steady wind SW
6				SWW	SE	Steady wind SW
8				SWW	SE	Steady wind SW
10				SWW	SE	Steady wind SW
12				SWW	SE	Steady wind SW
2				SWW	SE	Steady wind SW
4				SWW	SE	Steady wind SW
6				SWW	SE	Steady wind SW
8				SWW	SE	Steady wind SW
10				SWW	SE	Steady wind SW
12				SWW	SE	Steady wind SW
Course	Dif.	Dif. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.   Lon. made   Loc. in

H	K	HK	F	Courses	Winds	Transactions	Tuesday 28 April	(43)
2	4	1	-	W N W N W	S E E	Pleasant breezes both day & night		
4	1	1	-	-	Variable			
6	1	1	-	-	North			
8	4	-	-	W N W S S	- - -			
10	3	-	-	-	-	Light winds and clear	-	
12	1	1	-	-	-			
2	2	-	-	-	N E -			
4	2	-	-	-	E & E -	Pleasant breezes	-	
6	5	-	-	W N W W	-			
8	7	-	-	-	E S E -	Fresh gales	-	
10	1	1	-	N N W W W	-			
12	7	1	-	W S S	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
887	94	-5	14	42-03	42-01	1477	2-6	37-80

H	K	HK	F	Courses	Winds	Transactions	Wednesday 28 April	(44)
2	6	1	-	W S S -	S - E -	Pleasant breezes all day		
4	6	-	-	-	-			
6	3	1	-	W N W -	S S E -	Foggy -	-	
8	7	-	-	-	-			
10	6	-	-	W S S -	-			
12	3	1	-	-	-	Clear and pleasant	-	
2	3	-	-	-	-			
4	3	-	-	-	South			
6	5	1	-	-	-			
8	5	1	-	-	-	Evening with fresh gale	-	
10	6	-	-	-	-	and flying a flag	-	
12	7	-	-	-	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
877 W	136	-31	132	41-30	41-29	1609	2-36	60-96

H	K	HK	F	Courses	Winds	Transactions	Thursday 29 April	(45)
2	7	-	-	W S S -	Truth			
4	6	-	-	-	-	Fresh gales and pleasant	-	
6	7	-	-	W N W S S	-			
8	7	-	-	-	-			
10	7	-	-	-	-	Wind, weather	-	
12	7	-	-	-	-			
2	7	-	-	W N W W	-			
4	6	-	-	-	-			
6	5	-	-	W W W S W	S W -	Evening with variable winds		
8	2	-	-	W W W S S	Volatile	no rain	-	
10	2	-	-	-	-			
12	-	-	-	-	-			

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
885	122	-11	121	41-40	41-39	1730	2-42	63-88

H	K	HK	F	Courses	Winds	Transactions	Tuesday the 30th May			
2	2	-	-	WNW	ESE	Lighthouses and Anchors	-	-	-	-
4	2	-	-	-	-	Wich weather	-	-	-	-
6	3	-	-	-	-	-	-	-	-	-
8	3	-	-	-	-	-	-	-	-	-
10	2	-	-	-	East	-	-	-	-	-
12	3	-	-	-	-	-	-	-	-	-
2	2	-	-	-	-	-	-	-	-	-
4	2	-	-	WNE	SWN	Ends Poyas	-	-	-	-
6	3	-	-	-	-	-	-	-	-	-
8	3	-	-	WNW	Varabu	-	-	-	-	-
10	2	-	-	-	-	-	-	-	-	-
12	1	-	-	-	-	-	-	-	-	-

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
N 85	58	-5	58	45-45	48nd	1720	1-17	64-25

H	K	HK	F	Courses	Winds	Transactions	Wednesday the 1st May			
2	-	-	-	-	Calm	-	-	-	-	-
4	-	-	-	-	-	Poyas	-	-	-	-
6	1	-	-	WNW	ESE	Clear and pleasant	-	-	-	-
8	3	-	-	-	-	-	-	-	-	-
10	5	-	-	-	-	-	-	-	-	-
12	4	-	-	-	-	Phantom	-	-	-	-
2	5	-	-	-	NEC	-	-	-	-	-
4	5	-	-	-	-	-	-	-	-	-
6	5	-	-	-	-	-	-	-	-	-
8	5	-	-	-	-	Cross Point Phantasm	-	-	-	-
10	5	-	-	WNW	NEC	-	-	-	-	-
12	5	-	-	-	-	-	-	-	-	-

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
N 79	84	-16	82	42-01	42-03	1870	4-50	66-15

H	K	HK	F	Courses	Winds	Transactions	Sunday the 2d May			
2	3	-	-	WNW	NEC	Cloudy with fine showers	-	-	-	-
4	3	-	-	SWE	WNW	weather	-	-	-	-
6	3	-	-	SW	-	-	-	-	-	-
8	1	-	-	North	-	-	-	-	-	-
10	1	-	-	WNW	NEC	-	-	-	-	-
12	2	-	-	WNW	NEC	High wind	-	-	-	-
2	2	-	-	WNW	NEC	-	-	-	-	-
4	2	-	-	WNW	NEC	-	-	-	-	-
6	2	-	-	WNW	NEC	Cross Point Phantasm	-	-	-	-
8	2	-	-	WNW	NEC	-	-	-	-	-
10	3	-	-	WNW	NEC	-	-	-	-	-
12	3	-	-	-	-	-	-	-	-	-

Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in
N 31	39	-21	30	42-27	42-26	1900	10-	66-55

H	K	HK	F	Courses	Winds	Transactions	Monday 3 <sup>rd</sup> May
2	2	-	-	SW. SW.	W. NW.		
4	1	1	-	-	Variable		
6	1	-	-	South	-		
8	1	-	-	West	-		
10	-	-	-	-	-		
12	1	-	-	SW. SW.	W. NW.		
2	1	1	-	-	-		
4	2	1	-	-	S. W.	at 10 of past a strong风	
6	3	1	-	WSW.W	S. W.	Capt. Cost that supports him will	
8	5	1	-	N. E. E.	W. W.	to be 50 Leagues West from the	
10	3	1	-	N. E. E.	W. W.	Capt.	
12	2	-	-	W. W.	-		

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
Ang 1	63	40	49	43.06	43.07	19 1/2	17	68.82

H	K	HK	F	Courses	Winds	Transactions	Tuesday 4 <sup>th</sup> May
2	7	1	-	WSW.W	S. W.		
4	7	1	-	-	-		
6	6	1	-	WSW.W	-		
8	6	1	-	WSW.W	WSW.W	at 10 of past a strong风	
10	3	1	-	WSW.W	WSW.W	Capt. Cost that supports him will	
12	3	1	-	-	-	to be 50 Leagues West from the	
2	9	-	-	WSW.W	W. SW.	Capt.	
4	1	1	-	S. S.W.	W. S.W.		
6	3	1	-	S. S.W.	W. S.W.		
8	3	1	-	S. S.W.	W. S.W.		
10	2	1	-	N. W.	W. SW.		
12	4	1	-	WSW.W	Variable		

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
						43.43		

H	K	HK	F	Courses	Winds	Transactions	Wednesday 5 <sup>th</sup> May
2	2	1	-	S. W.	W. S.W.		
4	2	1	-	S. W.	W. S.W.		
6	2	-	-	-	-		
8	3	-	-	S. W.	W. S.W.		
10	5	1	-	W. S.W.	W. S.W.		
12	5	1	-	WSW.W	W. S.W.		
2	6	-	-	West	WSW.W		
4	3	-	-	-	WSW.W		
6	3	-	-	-	-		
8	2	1	-	-	C. N. E.		
10	3	-	-	-	East		
12	4	-	-	-	-		

Course	Dist.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dist.	Lon. made	Lon. in
				*	Above			

H	K	HK	F	Courses	Winds	Transactions					
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in			
2											
4											
6											
8											
10											
12											
2											
4											
6											
8											
10											
12											

H	K	HK	F	Courses	Winds	Transactions					
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in			
2											
4											
6											
8											
10											
12											
2											
4											
6											
8											
10											
12											

H	K	HK	F	Courses	Winds	Transactions					
Course	Dift.	Diff. Lat.	Dep.	Lat. by D.R.	Lat. by Ob.	Mer. Dift.	Lon. made	Lon. in			
2											
4											
6											
8											
10											
12											
2											
4											
6											
8											
10											
12											

